

subsp. *laeviuscula* Mayr (with the vars. *clara* Mayr and *californica* Emery) common in the Gulf States and California. The six males seem to be cospecific with the small females, since their wings are of the same color and also like those of *laeviuscula*. All the forms cited above were taken Sept. 22, 1929 in Robinson Park, Fort Wayne, Indiana, by Professor Kennedy from the same nest, which, he says (*in litt.*) "was large and under the loose bark of a cottonwood log. It contained workers, males, large brownish-black queens and many smaller shining red and black queens. These latter queens were a shining cherry red and a pitch black in life and acted differently from the ordinary queens. My memory is that they were more active. They were so different that I cannot believe they are the same species."

The specimens and Professor Kennedy's notes suggest the following reflections:

1. The colony might be said to represent a distinct and hitherto unknown variety of *C. lineolata*, characterized by having dimorphic, or A— and B— females, like *Lasius (Acanthomyops) latipes* Walsh of North America and *L. (Dendrolasius) spathepus* of Japan. This is very improbable, if, as I believe, the males belong to the small red and black females.
2. It is much more probable that these females and the males represent a distinct species parasitic in a flourishing *C. lineolata* colony, but this again suggests the question as to whether the parasite possesses a worker caste or is workerless like such ants as *Anergates*, *Anergatides*, *Epoecus* and *Wheeleriella*.
3. The absence of any workers other than those of the common *lineolata* in the material examined strongly indicates that the parasitic species is represented only by females and males, as in the genera just mentioned.
4. If this interpretation is adopted we must suppose that the parasitic Crematogaster is phylogenetically a comparatively recent off-shoot of the host species, *lineolata*, because its morphological modifications are so feeble. In this respect it resembles such perma-